



Air Quality
TIER I OPERATING PERMIT

State of Idaho
Department of Environmental Quality

PERMIT NO. 001-00107

AQCR: 064

CLASS: A

SIC: 3743

ZONE: 11

UTM COORDINATE (km): 567.0 , 4823.1

1. **PERMITTEE**

MotivePower Inc.

2. **PROJECT**

Tier I operating permit

3. **MAILING ADDRESS**

4600 Apple St.

CITY

Boise

STATE

ID

ZIP

83716

4. **FACILITY CONTACT**

Christopher D. Osgood

TITLE

Environmental Health and
Safety Technician

TELEPHONE

(208) 947-3026

5. **RESPONSIBLE OFFICIAL**

Dale McCleary

TITLE

Controller

TELEPHONE

(208) 947-2934

6. **EXACT PLANT LOCATION**

4600 Apple St. (Main Plant), Boise, Idaho
2100 Braniff St.(Truck and Engine Annex), Boise, Idaho

COUNTY

Ada

7. **GENERAL NATURE OF BUSINESS & KINDS OF PRODUCTS**

Remanufacture and maintenance of locomotives, and manufacture of locomotives

8. **PERMIT AUTHORITY**

This Tier I operating permit is issued pursuant to Idaho Code §39-115 and the *Rules for the Control of Air Pollution in Idaho*, IDAPA 58.01.01.300 through 386. The permittee shall comply with the terms and conditions of this permit.

This permit incorporates all applicable terms and conditions of prior air quality permits issued by the Idaho Department of Environmental Quality for the permitted source, unless the permittee emits toxic pollutants subject to State-only requirements pursuant to IDAPA 58.01.01.210, and the permittee elects not to incorporate those terms and conditions into this operating permit.

The effective date of this permit is the date of signature by the Department on the cover page.


KATHERINE B. KELLY, ADMINISTRATOR, AIR QUALITY DIVISION
DEPARTMENT OF ENVIRONMENTAL QUALITY

DATE ISSUED: December 10, 2002

DATE EXPIRES: December 10, 2005

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LIST OF ACRONYMS, UNITS, AND CHEMICAL NOMENCLATURE

acfm	actual cubic feet per minute
AQCR	Air Quality Control Region
ASTM	American Society for Testing and Materials
CAA	Clean Air Act
CFR	Code of Federal Regulations
CO	carbon monoxide
Department	Department of Environmental Quality
EPA	U.S. Environmental Protection Agency
gal/day	gallons per day
gal/hr	gallons per hour
gal/yr	gallons per year
gr	grain (1 pound = 7,000 grains)
gr/dscf	grains per dry standard cubic foot
HAPs	hazardous air pollutants
IDAPA	a numbering designation for all administrative rules in Idaho promulgated in accordance with the Idaho Administrative Procedures Act
LPG	liquid propane gas
lb/hr	pound(s) per hour
MPI	MotivePower Inc.
MMBtu/hr	million British thermal units per hour
NESHAP	National Emission Standards for Hazardous Air Pollutants
NO _x	nitrogen oxides
NSPS	New Source Performance Standards
O ₂	oxygen
O&M	operations and maintenance manual
PM	particulate matter
PM ₁₀	particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers
PSD	Prevention of Significant Deterioration
PTC	permit to construct
SIC	Standard Industrial Classification Code
SIP	State Implementation Plan
SO ₂	sulfur dioxide
SWBP	strip-wash-paint-building
T/day	ton(s) per day
T/yr	ton(s) per year
TEA	Truck and Engine Annex
UTM	Universal Transverse Mercator
U.S.C.	United States Code
VOC	volatile organic compounds

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Date Issued: December 10, 2002

Location: Boise, Idaho

Date Expires: December 10, 2005

The permittee is hereby allowed to operate the equipment described herein subject to all terms and conditions of the permit.

1. TIER I OPERATING PERMIT SCOPE

Purpose

- 1.1 This Tier I operating permit establishes facility-wide requirements in accordance with the State Implementation Plan control strategy and the *Rules for the Control of Air Pollution in Idaho*.
- 1.2 This Tier I operating permit covers operations at MPI's Apple Street location, and operations at MPI's TEA Braniff Street location.
- 1.3 This Tier I permit incorporates the terms and conditions from the following permits:
- PTC No. 001-00107 for the new, large, paint shop, issued to Morrison Knudsen October 18, 1994
 - PTC Exemption, issued November 11, 1996
 - PTC No. 001-00107 for the new, strip-wash-blast-paint building, issued to Boise Locomotive August 17, 1998.
 - PTC Exemption, issued April 7, 2000
 - PTC No. 001-00107 for the engine emissions-reduction test facility, issued to MPI June 23, 2000. This PTC was modified July 17, 2001 (permit terminated due to shutdown).

Regulated Sources

Table 1.1 below lists all sources of regulated emissions in this Tier I operating permit.

Table 1.1 REGULATED SOURCES OF EMISSIONS

Permit Sections	Source Description	Emissions Control(s)
3	Seller boilers	None
4	New, large, paint shop	PM – filter VOC – none
5	New, strip-wash-blast-paint building	PM / PM ₁₀ – blast booth baghouse PM / PM ₁₀ – paint building filter
6	Old, large, paint shop	PM – filters
7	Small, paint shop	PM – filters
8	Bead-blast enclosures	PM – baghouses
10	Locomotive engine test cell stand	None
11	Spray-paint booth	PM – filters
12	Shot-blast booth	PM – baghouse

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2. FACILITY-WIDE CONDITIONS

The following table contains a summary of requirements that apply generally to emissions units at the MotivePower facility.

Table 2.1 FACILITY-WIDE APPLICABLE REQUIREMENTS SUMMARY

Permit Conditions	Parameter	Permit Limit / Standard Summary	Applicable Regulatory Requirement	Monitoring and Record-Keeping Requirements
2.1	Fugitive emissions	Reasonable control	IDAPA 58.01.01.651	2.2, 2.3, 2.4, 2.12
2.5	Fugitive emissions	No fugitive dust emissions leaving property for period greater than three minutes in any 60-minute period	PTC No. 001-00107	2.4, 2.12
2.6	Odors	Reasonable control	IDAPA 58.01.01.775-776	2.7, 2.12
2.8	Visible emissions	20% opacity for no more than three minutes in any 60-minute period	IDAPA 58.01.01.625	2.9, 2.12
2.10	Excess emissions	Compliance with IDAPA 58.01.01.130-136	IDAPA 58.01.01.130-136	2.10-2.10.5, 2.12
2.13	Open burning	Compliance with IDAPA 58.01.01.600-616	IDAPA 58.01.01.600-616	2.12
2.14	Renovation or demolition	Compliance with 40 CFR 61, Subpart M	40 CFR 61, Subpart M	2.12
2.15	Chemical accidental release	Compliance with 40 CFR 68	40 CFR 68	2.12
2.16	Criteria pollutants, opacity	EPA reference test methods	IDAPA 58.01.01.157	2.12, 2.19
2.17	PM	0.015 gr/dscf at 3% O ₂ for gas	IDAPA 58.01.01.677	2.12
2.18	Fuel sulfur content limit	ASTM Grade 1 fuel oil - 0.3% by weight; ASTM Grade 2 fuel oil - 0.5% by weight	IDAPA 58.01.01.728	2.12
2.19	Air quality standards, opacity	Compliance testing	IDAPA 58.01.01.157	2.12, 2.16
2.20	Recycling and emissions reduction	Compliance with 40 CFR 82, Subpart F	40 CFR 82, Subpart F	2.12

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Fugitive Emissions

- 2.1 All reasonable precautions shall be taken to prevent PM from becoming airborne in accordance with IDAPA 58.01.01.650-651.
[IDAPA 58.01.01.650-651, 5/1/94]
- 2.2 The permittee shall monitor and maintain records of the frequency and the method(s) used (i.e., water, chemical dust suppressants, etc.) to reasonably control fugitive emissions.
[IDAPA 58.01.01.322.06, 07, 5/1/94]
- 2.3 The permittee shall maintain records of all fugitive emissions complaints received. The permittee shall take appropriate corrective action as expeditiously as practicable after receipt of a valid complaint. The records shall include, at a minimum, the date each complaint was received and a description of the following: the complaint, the permittee's assessment of the validity of the complaint, any corrective action taken, and the date the corrective action was taken.
[IDAPA 58.01.01.322.06, 07, 5/1/94]
- 2.4 The permittee shall conduct a monthly facility-wide inspection of potential sources of fugitive emissions, during daylight hours and under normal operating conditions to ensure that the methods used to reasonably control fugitive emissions are effective. If fugitive emissions are not being reasonably controlled, the permittee shall take corrective action as expeditiously as practicable. The permittee shall maintain records of the results of each monthly fugitive emissions inspection. The records shall include, at a minimum, the date of each inspection and a description of the following: the permittee's assessment of the conditions existing at the time fugitive emissions were present (if observed), any corrective action taken in response to the fugitive emissions, and the date the corrective action was taken.
[IDAPA 58.01.01.322.06, 07, 5/1/94; IDAPA 58.01.01.322.08, 4/5/00]
- 2.5 Fugitive emissions shall not be observed leaving the property for a period or periods aggregating more than three minutes in any 60-minute period. Visible emissions shall be determined by Environmental Protection Agency (EPA) Reference Method 22, as described in 40 CFR 60, Appendix A, or by a Department-approved alternative method.
[IDAPA 58.01.01.322.06, 07, 5/1/94]

Odors

- 2.6 No person shall allow, suffer, cause, or permit the emission of odorous gases, liquids, or solids to the atmosphere in such quantities as to cause air pollution.
[IDAPA 58.01.01.775-776, 5/1/94]
- 2.7 The permittee shall maintain records of all odor complaints received. If the complaint has merit, the permittee shall take appropriate corrective action as expeditiously as practicable. The records shall include, at a minimum, the date each complaint was received and a description of the following: the complaint, the permittee's assessment of the validity of the complaint, any corrective action taken, and the date the corrective action was taken.
[IDAPA 58.01.01.322.06, 07 (state-only), 5/1/94]

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Visible Emissions

- 2.8 No person shall discharge any air pollutant to the atmosphere from any point of emission for a period or periods aggregating more than three minutes in any 60-minute period which is greater than 20% opacity as determined by procedures contained in IDAPA 58.01.01.625. These provisions shall not apply when the presence of uncombined water, nitrogen oxides, and/or chlorine gas is the only reason for the failure of the emission to comply with the requirements of this section.

[IDAPA 58.01.01.625, 4/5/00]

- 2.9 The permittee shall conduct a monthly facility-wide inspection of potential sources of visible emissions, during daylight hours and under normal operating conditions. The visible emissions inspection shall consist of a see/no see evaluation for each potential source of visible emissions. If any visible emissions are present from any point of emission, the permittee shall either take appropriate corrective action as expeditiously as practicable, or perform a Method 9 opacity test in accordance with the procedures outlined in IDAPA 58.01.01.625. A minimum of 30 observations shall be recorded when conducting the opacity test. If opacity is greater than 20% for a period or periods aggregating more than three minutes in any 60-minute period, the permittee shall take all necessary corrective action and report the exceedance in its annual compliance certification and in accordance with IDAPA 58.01.01.130-136. The permittee shall maintain records of the results of each monthly visible emissions inspection and each opacity test when conducted. The records shall include, at a minimum, the date and results of each inspection and test and a description of the following: the permittee's assessment of the conditions existing at the time visible emissions are present (if observed), any corrective action taken in response to the visible emissions, and the date corrective action was taken.

[IDAPA 58.01.01.322.06, 07, 5/1/94; IDAPA 58.01.01.322.08, 4/5/00]

Excess Emissions

- 2.10 The permittee shall comply with the procedures and requirements of IDAPA 58.01.01.130-136 for excess emissions. The provisions of IDAPA 58.01.01.130-136 shall govern in the event of conflicts between Permit Condition 2.10 and the regulations of IDAPA 58.01.01.130-136.

- 2.10.1 The person responsible for or in charge of a facility during an excess emissions event shall, with all practicable speed, initiate and complete appropriate and reasonable action to correct the conditions causing such excess emissions event, to reduce the frequency of occurrence of such events, to minimize the amount by which the emission standard is exceeded, and shall, as provided below or upon request of the Department, submit a full report of such occurrence including a statement of all known causes and of the scheduling and nature of the actions to be taken.

[IDAPA 58.01.01.132, 4/5/00]

- 2.10.2 In all cases where startup, shutdown, or scheduled maintenance of any equipment or emission unit is expected to result or results in an excess emissions event, the owner or operator of the facility or emissions unit generating the excess emissions shall demonstrate compliance with IDAPA 58.01.01.133.01(a) through (d), including, but not limited to:

[IDAPA 58.01.01.133, 4/5/00]

- A prohibition of any scheduled startup, shutdown, or maintenance resulting in excess emissions shall occur during any period in which an atmospheric stagnation advisory and/or a wood stove curtailment advisory has been declared by the Department.

[IDAPA 58.01.01.133.01.a, 3/20/97]

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- Notifying the Department of the excess emissions event as soon as reasonably possible, but no later than two hours prior to the start of the excess emission event, unless the owner or operator demonstrates to the Department's satisfaction that a shorter advanced notice was necessary.

[IDAPA 58.01.01.133.01.b, 4/5/00]

- The owner or operator of a source of excess emissions shall report and record the information required pursuant to Permit Conditions 2.10.4 and 2.10.5 and IDAPA 58.01.01.135 and 136 for each excess emissions event due to startup, shutdown, or scheduled maintenance.

[IDAPA 58.01.01.133.01.c, 3/20/97]

2.10.3 In all cases where upset or breakdown of equipment or an emissions unit, or the initiation of safety measures results or may result in an excess emissions event, the owner or operator of the facility or emissions unit generating the excess emissions shall demonstrate compliance with IDAPA 58.01.01.134.01(a) and (b) and the following:

[IDAPA 58.01.01.134, 4/5/00]

2.10.3.1 For all equipment or emissions units from which excess emissions result during upset or breakdown conditions, or for other situations that may necessitate the implementation of safety measures which cause excess emissions, the facility owner or operator shall comply with the following:

[IDAPA 58.01.01.134.02, 4/5/00]

- The owner or operator shall immediately undertake all appropriate measures to reduce and, to the extent possible, eliminate excess emissions resulting from the event and to minimize the impact of such excess emissions on the ambient air quality and public health.

[IDAPA 58.01.01.134.02.a, 4/5/00]

- The owner or operator shall notify the Department of any upset, breakdown, or safety event that results in excess emissions. Such notification shall identify the time, specific location, equipment or emissions unit involved, and (to the extent known) the cause(s) of the occurrence. The notification shall be given as soon as reasonably possible, but no later than 24 hours after the event, unless the owner or operator demonstrates to the Department's satisfaction that the longer reporting period was necessary.

[IDAPA 58.01.01.134.02.b, 4/5/00]

- The owner or operator shall report and record the information required pursuant to Permit Conditions 2.10.4 and 2.10.5 and IDAPA 58.01.01.135 and 136 for each excess emissions event caused by an upset, breakdown, or safety measure.

[IDAPA 58.01.01.134.02.c, 3/20/97]

2.10.3.2 During any period of excess emissions caused by upset, breakdown, or operation under facility safety measures, the Department may require the owner or operator to immediately reduce or cease operation of the equipment or emissions unit causing the excess emissions until such time as the condition causing the excess emissions has been corrected or brought under control. Such action by the Department shall be taken upon consideration of the factors listed in IDAPA 58.01.01.134.03 and after consultation with the facility owner or operator.

[IDAPA 58.01.01.134.03, 4/5/00]

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- 2.10.4 A written report for each excess emissions event shall be submitted to the Department by the owner or operator no later than 15 days after the beginning of such an event. Each report shall contain the information specified in IDAPA 58.01.01.135.02.

[IDAPA 58.01.01.135.01, 3/20/97; IDAPA 58.01.01.135.02, 4/5/00]

- 2.10.5 The owner or operator shall maintain excess emissions records at the facility for the most recent five-calendar-year period. The excess emissions records shall be made available to the Department upon request. The excess emissions records shall include the information requested by IDAPA 58.01.01.136.03(a) and (b) as summarized in the following:

[IDAPA 58.01.01.136.01, 02, 3/20/97; IDAPA 58.01.01.136.03, 4/5/00]

- An excess emissions record book for each emissions unit or piece of equipment containing copies of all reports that have been submitted to the Department pursuant to IDAPA 58.01.01.135 for the particular emissions unit or equipment; and
- Copies of all startup, shutdown, and scheduled maintenance procedures and upset, breakdown, or safety preventative maintenance plans which have been developed by the owner or operator in accordance with IDAPA 58.01.01.133 and 134, and facility records as necessary to demonstrate compliance with such procedures and plans.

[IDAPA 58.01.01.136.03.a, 4/5/00]

[IDAPA 58.01.01.136.03.b, 3/20/97; IDAPA 58.01.01.130-136, 4/5/00]

(state-only; federally-enforceable upon approval into the SIP); IDAPA 58.01.01.322.08.b, 3/23/98]

Reports and Certifications

- 2.11 All periodic reports and certifications required by this permit shall be submitted to the Department within 30 days of the end of each specified reporting period. Excess emissions reports and notifications shall be submitted in accordance with IDAPA 58.01.01.130-136. Reports, certifications, and notifications shall be submitted to the following address:

Department of Environmental Quality
Boise Regional Office
Air Quality Permit Compliance
1445 N. Orchard
Boise, ID 83706-2239

The periodic compliance certification required by General Provision 21 shall also be submitted within 30 days of the end of the specified reporting period to:

EPA Region 10
Air Operating Permits, OAQ-107
1200 Sixth Ave.
Seattle, WA 98101

[IDAPA 58.01.01.322.08, 4/5/00; IDAPA 58.01.01.322.11, 5/1/94]

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Monitoring and Record Keeping

- 2.12 The permittee shall maintain sufficient record keeping to assure compliance with the terms and conditions of this operating permit. Recording of monitoring information shall include, but not be limited to the following: (1) the date, place, and times of sampling or measurements; (2) the date analyses were performed; (3) the company or entity that performed the analyses; (4) the analytical techniques or methods used; (5) the results of such analyses; and (6) the operating conditions existing at the time of sampling or measurement. All monitoring records and support information shall be retained for a period of at least five years from the date of the monitoring sample, measurement, report, or application. Supporting information includes, but is not limited to, all calibration and maintenance records, all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. All records required to be maintained by this permit shall be made available in either hard copy or electronic format to Department representatives upon request.

[IDAPA 58.01.01.322.07, 5/1/94]

Open Burning

- 2.13 The permittee shall comply with the requirements of IDAPA 58.01.01.600-616, *Rules for Control of Open Burning*.

[IDAPA 58.01.01.600-616, 5/1/94]

Renovation/Demolition

- 2.14 The permittee shall comply with all applicable portions of 40 CFR 61, Subpart M when conducting any renovation or demolition activities at the facility.

[40 CFR 61, Subpart M]

Regulated Substances for Accidental Release Prevention

- 2.15 An owner or operator of a stationary source that has more than a threshold quantity of a regulated substance in a process, as determined under 40 CFR 68.115, shall comply with the requirements of the Chemical Accident Prevention Provisions at 40 CFR 68 no later than the latest of the following dates:

- Three years after the date on which a regulated substance present above a threshold quantity is first listed under 40 CFR 68.130.
- The date on which a regulated substance is first present above a threshold quantity in a process.

[40 CFR 68.10 (a)]

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Test Methods

- 2.16 If testing is required, the permittee shall use the test methods described in Table 2.2 to measure the pollutant emissions.

Table 2.2 EPA REFERENCE TEST METHODS

Pollutant	Test Method*	Special Conditions
PM ₁₀	EPA Method 201.a EPA Method 202	
PM	EPA Method 5	
NO _x	EPA Method 7	
SO ₂	EPA Method 6	
CO	EPA Method 10	
VOC	EPA Method 25	
Opacity	EPA Method 9	If an NSPS source, use IDAPA 58.01.01.625 and Method 9; otherwise, IDAPA 58.01.01.625 only.
Fugitive emissions	EPA Method 22	

*Or Department-approved alternative in accordance with IDAPA 58.01.01.157.

Fuel-Burning Equipment

- 2.17 The permittee shall not discharge to the atmosphere from any fuel-burning equipment PM in excess of 0.015 gr/dscf of effluent gas corrected to 3% oxygen by volume for gas, 0.050 gr/dscf of effluent gas corrected to 3% oxygen by volume for liquid, 0.050 gr/dscf of effluent gas corrected to 8% oxygen by volume for coal, and 0.080 gr/dscf of effluent gas corrected to 8% oxygen by volume for wood products.

[IDAPA 58.01.01.676-677, 5/1/94]

Sulfur Content

- 2.18 No person shall sell, distribute, use, or make available for use any distillate fuel oil containing more than the following percentages of sulfur:

- ASTM Grade No. 1 fuel oil - 0.3% by weight.
- ASTM Grade No. 2 fuel oil - 0.5% by weight.

- 2.18.1 The permittee shall maintain supplier certification of fuel oil sulfur content.

[IDAPA 58.01.01.728, 5/1/94; IDAPA 58.01.01.322.06, 07, 5/1/94]

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Compliance Testing

- 2.19 The permittee shall provide notice of intent to test to the Department at least 15 days prior to the scheduled test or shorter time period as provided in a permit, order, consent decree, or by Department approval. The Department may, at its option, have an observer present at any emissions tests conducted on a source. The Department requests that such testing not be performed on weekends or state holidays.

If performance testing is required, the permittee shall conduct testing in accordance with the procedures in IDAPA 58.01.01.157. Without prior Department approval, any alternative testing is conducted solely at the permittee's risk. If the permittee fails to obtain prior written approval by the Department for any testing deviations, the Department may determine that the testing does not satisfy the testing requirements. Therefore, prior to conducting any compliance test, the permittee is encouraged to submit in writing to the Department, at least 30 days in advance, the following for approval:

- The type of test method to be used
- Any extenuating or unusual circumstances regarding the proposed test
- The proposed schedule for conducting and reporting the test

Within 30 days following the date in which a compliance test required by this permit is concluded, the permittee shall submit to the Department a compliance test report for the respective test. The compliance test report shall include all process operating data collected during the test period as well as the test results, raw test data, and associated documentation, including any approved test protocol.

The proposed test date(s), test date rescheduling notice(s), compliance test report, and all other correspondence shall be sent to the following address:

Department of Environmental Quality
Boise Regional Office
Air Quality Permit Compliance
1445 N. Orchard
Boise, ID 83706-2239
Phone: (208) 373-0550
Fax: (208) 373-0287

[IDAPA 58.01.01.157, 4/5/00; IDAPA 58.01.01.322.06, 08.a, 09, 5/1/94]

Recycling and Emissions Reduction

- 2.20 The permittee shall comply with applicable standards for recycling and emissions reduction pursuant to 40 CFR 82, Subpart F, Recycling and Emissions Reduction.

[40 CFR 82, Subpart F]

AIR QUALITY TIER I OPERATING PERMIT No. 001-00107**Permittee:** MotivePower Inc.**Date Issued:** December 10, 2002**Location:** Boise, Idaho**Date Expires:** December 10, 2005*The permittee is hereby allowed to operate the equipment described herein subject to all terms and conditions of the permit.***3. SELLER BOILERS NO. 1 AND NO. 2, MOTIVEPOWER INC. (MPI), APPLE STREET****Summary Description**

The following paragraph and Table 3.1 provide a narrative description of the Seller boilers regulated in this Tier I operating permit. This description is informational only.

The facility has two natural gas-fired boilers that are located at the east end of the locomotive shop. One boiler is on standby mode and the other is operational. There are no emissions control devices on either boiler. Table 3.1 summarizes the specifications of each boiler.

Table 3.1 SELLER BOILER SPECIFICATIONS

Emissions Unit(s) or Process(es)	Manufacturer	Model	Heat Input Capacity
Boiler No. 1	Seller	105-E, horizontal immersion, steam boiler	6.7 MMBtu/hr
Boiler No. 2	Seller	105-E, horizontal immersion, steam boiler	6.7 MMBtu/hr

Table 3.2 provides a summary of requirements that apply generally to the boilers. Specific permit requirements are listed below Table 3.2.

Table 3.2 APPLICABLE REQUIREMENTS SUMMARY

Permit Condition	Parameter	Permit Limit / Standard Summary	Applicable Requirements Reference	Monitoring and Record-Keeping Requirements
3.1	PM	0.015 gr/dscf at 3% oxygen	IDAPA 58.01.01.677	2.12, 3.3
3.2	Visible emissions	20% opacity for no more than three minutes in any 60-minute period	IDAPA 58.01.01.625	2.9, 2.12

- 3.1 The PM emissions from the Seller No. 1 and Seller No. 2 boiler stacks shall not exceed 0.015 gr/dscf of effluent gas corrected to 3% oxygen by volume when natural gas is combusted, as required in IDAPA 58.01.01.677.

[IDAPA 58.01.01.677, 5/1/94]

- 3.2 Visible emissions from any of the boiler stacks shall not exceed 20% opacity for a period or periods aggregating more than three minutes in any 60-minute period, as determined in IDAPA 58.01.01.625.

[IDAPA 58.01.01.625, 4/5/00]

- 3.3 Seller boilers No. 1 and No. 2 shall be fueled by natural gas exclusively.

[IDAPA 58.01.01.322.01, 3/19/99]

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The following paragraph and Table 4.1 provide a narrative description of the new, large, paint shop regulated in this Tier I operating permit. This description is informational only.

The new, large, paint shop is located at the southwest corner of the MPI-Apple Street facility. The shop contains two spray-paint booths used to paint manufactured or remanufactured locomotives. Each spray-paint booth is equipped with a 48,400 acfm air handling system. The Department issued a PTC to MPI for the new, large, paint shop October 18, 1994. Table 4.1 lists the control devices used in controlling emissions from the new, large, paint shop:

Table 4.1 EMISSIONS UNITS AND EMISSIONS CONTROL DEVICES

Emission Unit(s) or Process(es)	Emissions Control Device
New, large, paint shop	PM – filters with a 98% removal efficiency VOC – uncontrolled

Table 4.2 provides a summary of requirements that apply to the new, large, paint shop. Specific permit requirements are listed below Table 4.2.

Table 4.2 APPLICABLE REQUIREMENTS SUMMARY

Permit Conditions	Parameter	Permit Limit/ Standard Summary	Applicable Requirements Reference	Monitoring and Record-Keeping Requirements
4.1	PM/PM ₁₀	0.29 lb/hr, 0.195 T/yr	PTC No. 001-00107	4.5, 4.6, 4.7, 4.8, 4.9, 4.11
4.3	VOC	12.0 lb/hr, 8.0 T/y	PTC No. 001-00107	4.5, 4.10, 4.11
4.4	Visible emissions	20% opacity for no more than three minutes in any 60-minute period	IDAPA 58.01.01.625; PTC No. 001-00107	2.9
4.12	PM	Process weight	IDAPA 58.01.01.701	4.7, 4.8, 4.9

4.1 The PM emissions from each spray-paint-booth stack of the new, large, paint shop shall not exceed 0.29 lb/hr and 0.195 T/yr.

[PTC No. 001-00107,10/18/94]

4.2 The PM₁₀ emissions from each spray-paint-booth stack of the new, large, paint shop shall not exceed 0.29 lb/hr and shall not exceed 0.195 T/yr.

[PTC No. 001-00107, 10/18/94]

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The permittee is hereby allowed to operate the equipment described herein subject to all terms and conditions of the permit.

- 4.3 The VOC emissions from each spray-paint-booth stack of the new, large, paint shop shall not exceed following: 12.0 lb/hr and 8.0 T/yr.
[PTC No. 001-00107, 10/18/94]
- 4.4 Visible emissions from any of the new, large, paint shop stacks shall not exceed 20% opacity for a period or periods aggregating more than three minutes in any 60-minute period, as determined in IDAPA 58.01.01.625.
[PTC No. 001-00107, 10/18/94]
- 4.5 The maximum amount of all coatings and solvents sprayed at the new, large, paint shop shall not exceed 46 gal/day and 16,000 gal/yr. Coatings and solvents shall include, but not be limited to, any enamels, lacquers, primers, clean-up solvents, and reducers.
[PTC No. 001-00107, 10/18/94]
- 4.6 The permittee shall install, calibrate, maintain, and operate a pressure drop monitoring device which measures the static pressure differential across the exhaust filters used in each paint booth.
[PTC No. 001-00107, 10/18/94]
- 4.7 The static pressure drop across each spray-paint-booth exhaust filter shall be maintained within manufacturer specifications. All filter pads shall be replaced in accordance with manufacturer specifications.
[PTC No. 001-00107, 10/18/94]
- 4.8 Within 60 days of issuance of this permit, the permittee shall have developed, according to manufacturer specifications and recommendations, an O&M manual for the air pollution control equipment used to control PM emissions from the new, large, paint shop's spray-paint booths. The O&M manual shall address the operation, maintenance, and repair of the air pollution control equipment and shall, at a minimum, include a general description, normal operating conditions and procedures, methods of preventing malfunctions, appropriate corrective actions to be taken, and provisions for weekly inspections. The O&M manual shall stipulate that all filter pads be replaced according to manufacturer specifications and recommendations. The O&M manual shall be maintained on site at all times and shall be made available to Department representatives upon request.
[IDAPA 58.01.01.322.01, 3/19/99]
- 4.9 The permittee shall monitor and record the following information. Records of this information shall remain on site for the most recent five-year period and shall be made available to Department representatives upon request.
- 4.9.1 The type and amount of all coatings and solvents sprayed at the new, large, paint shop shall be recorded in gallons per day and gallons per year.
- 4.9.2 The pressure drop across each spray-paint-booth filter system shall be recorded daily. Recording the pressure drop will not be required on the day in which the spray-paint booth is not in operation.
[PTC No. 001-00107, 10/18/94]

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The permittee is hereby allowed to operate the equipment described herein subject to all terms and conditions of the permit.

- 4.10 Within 15 days of finding an exceedance of any permit condition in 4.1, 4.2, 4.3, 4.4, and 4.5, the permittee shall submit a written report to the Department. The report shall contain the date, duration, and description of the exceedance.

[PTC No. 001-00107, 10/18/94]

- 4.11 No person shall emit to the atmosphere from any process or process equipment commencing operation on or after October 1, 1979, PM in excess of the amount shown by the following equations, where E is the allowable emission from the entire source in pounds per hour, and PW is the process weight in pounds per hour:

- a. If PW is less than 9,250 lb/hr,

$$E = 0.045(PW)^{0.60}$$

- b. If PW is equal to or greater than 9,250 lb/hr,

$$E = 1.10(PW)^{0.25}$$

[IDAPA 58.01.01.701, 4/5/00]

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The following paragraph and Table 5.1 provide a narrative description of the new SWBP building regulated in this Tier I operating permit. This description is informational only.

The new SWBP building is located at the MPI-Apple Street facility. The new building has four separate sections, which include a strip section, wash section, blast and prime section, and a mechanical and locker/breakroom section. The strip section is designed for the disassembly of locomotives. The wash section is used to wash the locomotive frame, car body, and miscellaneous equipment. Minor welding takes place in the mechanical room. The blast and paint section is used for steel-grit blasting of locomotive frames and components to remove old paint and rust. After blasting, a coat of primer paint is applied. Painting and blasting are conducted in one booth. The booth is designed so that either painting or blasting can occur at any one time, but never simultaneously. The mechanical and locker/breakroom section has natural gas-fired heaters. The Department issued a PTC for the new SWBP building August 17, 1998. The control devices for this building are listed in Table 5.1.

Table 5.1 EMISSIONS UNITS AND EMISSIONS CONTROL DEVICES

Emissions Unit(s) or Process(es)	Emissions Control Device
New SWBP building	PM/PM ₁₀ - blast-booth pulse-jet dust collector system with a 99.9% control efficiency PM/PM ₁₀ - paint-arrestor filter system with a 99.8% control efficiency

Table 5.2 provides a summary of the requirements that apply generally to the new SWBP building. Specific permit requirements are listed below Table 5.2.

Table 5.2 APPLICABLE REQUIREMENTS SUMMARY

Permit Conditions	Parameter	Permit Limit / Standard Summary	Applicable Requirements Reference	Monitoring and Record-Keeping Requirements
5.1	PM ₁₀	0.03 lb/hr, 0.13 T/yr	PTC No. 001-00107	5.5, 5.6
5.2	VOC	30.0 T/yr	PTC No. 001-00107	5.4, 5.5, 5.6
5.3	Visible emissions	20% opacity for no more than three minutes in any 60-minute period.	IDAPA 58.01.01.625; PTC No. 001-00107	2.9
5.7	PM from steel- grit blasting	Process weight	IDAPA 58.01.01.701	5.5, 5.6
5.8	PM from the paint booth	Process weight	IDAPA 58.01.01.701	5.5

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The permittee is hereby allowed to operate the equipment described herein subject to all terms and conditions of the permit.

- 5.1 The PM₁₀ emissions from the steel-grit-blasting stack of the new SWBP building shall not exceed 0.03 lb/hr and shall not exceed 0.13 T/yr.
[PTC No. 001-00107, 8/17/98]
- 5.2 The VOC emissions from the paint booth of the new SWBP building shall not exceed 30 tons for any consecutive 12-month period.
[PTC No. 001-00107, 8/17/98]
- 5.3 Visible emissions from any of the new SWBP building stacks shall not exceed 20% opacity for a period or periods aggregating more than three minutes in any 60-minute period, as determined in IDAPA 58.01.01.625.
[PTC No. 001-00107, 8/17/98]
- 5.4 The maximum VOC usage in the paint booth of the new SWBP building shall not exceed 30 tons per consecutive 12-month period.
[PTC No. 001-00107, 8/17/98]
- 5.5 Within 60 days of issuance of this permit, the permittee shall have developed an O&M manual for the air pollution control equipment of the new SWBP building according to manufacturer specifications and recommendations. The pressure drops across the blast-booth pulse-jet dust collector system and the paint-arrestor filter system shall be maintained within manufacturer and O&M manual specifications. The pressure drop across both air pollution control systems shall be monitored and recorded once daily. The O&M manual shall address the operation, maintenance, and repair of the new SWBP building air pollution control equipment and shall, at a minimum, include a general description, normal operating conditions and procedures, methods of preventing malfunctions, appropriate corrective actions to be taken, and provisions for weekly inspections. The O&M manual shall be maintained on site at all times and shall be made available to Department representatives upon request.
[PTC No. 001-00107, 8/17/98]
- 5.6 The permittee shall monitor and record the following information. Records of this information shall remain on site for the most recent five-year period and shall be made available to Department representatives upon request.
- 5.6.1 For each coating and solvent used in the paint booth, record the usage rate in gallons per month.
- 5.6.2 For each coating and solvent used in the paint booth, record the VOC content in pounds per gallon.
- 5.6.3 For each coating and solvent used in the paint booth, calculate, and record the VOC usage in pounds per month. To calculate the VOC usage (pounds per month), multiply the usage rate (gallons per month) by the VOC content (pounds per gallon) for each coating and solvent.
- 5.6.4 Once on a monthly basis, calculate, and record the total amount of VOC usage of the paint booth in pounds per month. To calculate the total VOC usage, add all of the individual VOC usage amounts for each coating and solvent that were recorded in Permit Condition 5.6.3. This VOC usage amount will then be used to demonstrate compliance with Permit Condition 5.4.

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The permittee is hereby allowed to operate the equipment described herein subject to all terms and conditions of the permit.

5.6.5 The pressure drop across the blast-pulse-jet dust collector system once on a daily basis.

5.6.6 The pressure drop across the paint-arrestor filter system once on a daily basis.

[PTC No. 001-00107, 8/17/98]

5.7 Steel-Grit Blasting Operation

No person shall emit to the atmosphere from any process or process equipment commencing operation on or after October 1, 1979, PM in excess of the amount shown by the following equations, where E is the allowable emission from the entire source in pounds per hour, and PW is the process weight in pounds per hour:

a. If PW is less than 9,250 lb/hr,

$$E = 0.045(PW)^{0.60}$$

b. If PW is equal to or greater than 9,250 lb/hr,

$$E = 1.10(PW)^{0.25}$$

[IDAPA 58.01.01.701, 4/5/00]

5.8 Painting Operation

No person shall emit to the atmosphere from any process or process equipment commencing operation on or after October 1, 1979, PM in excess of the amount shown by the following equations, where E is the allowable emission from the entire source in pounds per hour, and PW is the process weight in pounds per hour:

a. If PW is less than 9,250 lb/hr,

$$E = 0.045(PW)^{0.60}$$

b. If PW is equal to or greater than 9,250 lb/hr,

$$E = 1.10(PW)^{0.25}$$

[IDAPA 58.01.01.701, 4/5/00]

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The following paragraph and Table 6.1 provide a narrative description of the old, large, paint shop regulated in this Tier I operating permit. This description is informational only.

The old, large, paint shop is located at the southwest corner of the MPI-Apple Street facility. The shop contains two spray-paint booths, the west paint booth and the east paint booth, which are used to paint manufactured or remanufactured locomotives. Each paint booth has two exhaust stacks designated as the west stacks and the east stacks. The west stacks have flow rates of 17,500 acfm each, and the east stacks have flow rates of 12,900 acfm each. Table 6.1 lists the control devices for controlling emissions.

Table 6.1 EMISSIONS UNITS AND EMISSIONS CONTROL DEVICES

Emissions Unit(s) or Process(es)	Emissions Control Device
West spray-paint booth	PM - filters with a 98% control efficiency
East spray-paint booth	PM - filters with a 98% control efficiency

Table 6.2 provides a summary of requirements that apply generally to the old, large, paint shop. Specific permit requirements are listed below Table 6.2.

Table 6.2 APPLICABLE REQUIREMENTS SUMMARY

Permit Conditions	Parameter	Permit Limit/ Standard Summary	Applicable Requirements Reference	Monitoring and Record-Keeping Requirements
6.1	Visible emissions	20% opacity for no more than three minutes in any 60-minute	IDAPA 58.01.01.625	2.9, 6.3
6.2	PM from the paint booths	Process weight	IDAPA 58.01.01.701	6.3, 6.4, 6.5, 6.6

- 6.1 Visible emissions from any of the old, large, paint shop stacks shall not exceed 20% opacity for a period or periods aggregating more than three minutes in any 60-minute period, as determined in IDAPA 58.01.01.625.

[IDAPA 58.01.01.625, 4/5/00]

- 6.2 No person shall emit to the atmosphere from any process or process equipment commencing operation on or after October 1, 1979, PM in excess of the amount shown by the following equations, where E is the allowable emission from the entire source in pounds per hour, and PW is the process weight in pounds per hour:

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The permittee is hereby allowed to operate the equipment described herein subject to all terms and conditions of the permit.

- a. If PW is less than 9,250 lb/hr,

$$E = 0.045(PW)^{0.60}$$

- b. If PW is equal to or greater than 9,250 lb/hr,

$$E = 1.10(PW)^{0.25}$$

The above equations shall apply to each paint booth process at the old, large, paint shop.

[IDAPA 58.01.01.701, 4/5/00]

- 6.3 Within 60 days of issuance of this permit, the permittee shall have developed an O&M manual for the old, large, paint shop's air pollution control equipment according to manufacturer specifications and recommendations. The pressure drop across the paint filtration systems shall be maintained within manufacturer and O&M manual specifications. The pressure drop across both air pollution control systems shall be monitored and recorded daily. The O&M manual shall address the operation, maintenance, and repair of the old, large, paint shop's air pollution control systems, and shall include, at a minimum, a general description, normal operating conditions and procedures, methods of preventing malfunctions, appropriate corrective actions to be taken, and provisions for weekly inspections. The O&M manual shall remain on site at all times and shall be made available to Department representatives upon request.

[IDAPA 58.01.01.322.01, 3/19/99]

- 6.4 The maximum amount of coatings and solvents sprayed at the old, large, paint shop shall not exceed 46 gal/day.

[IDAPA 58.01.01.322.01, 3/19/99]

- 6.5 The maximum annual amount of coatings sprayed shall not exceed 16,000 gallons per any consecutive 12-month period.

[IDAPA 58.01.01.322.01, 3/19/99]

- 6.6 The permittee shall monitor and record the following information.

- 6.6.1 The type and amount in gallons per day and gallons per year of all coatings and solvents sprayed at the old, large, paint shop.

- 6.6.2 The pressure drop across each spray-paint-booth filter system shall be recorded daily. Pressure drop recordings are not required on days the spray-paint booth is not in operation.

[IDAPA 58.01.01.322.06, 07, 5/1/94]

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The following paragraph and Table 7.1 provide a narrative description of the small, paint shop regulated in this Tier I operating permit. This description is informational only.

The small, paint shop is used to paint small parts, car bodies, high voltage cabinets, locomotive fuel tanks, and various other locomotive related parts. The small, paint shop includes one paint booth having two stacks. The flow rate through each stack is 17,600 acfm. Table 7.1 lists the control devices for the small, paint shop.

Table 7.1 EMISSIONS UNITS AND EMISSIONS CONTROL DEVICES

Emissions Unit(s) or Process(es)	Emissions Control Device
Small, paint shop	PM - filters with 98% control efficiency

Table 7.2 provides a summary of requirements that apply generally to the small, paint shop. Specific permit requirements are listed below Table 7.2.

Table 7.2 APPLICABLE REQUIREMENTS SUMMARY

Permit Conditions	Parameter	Permit Limit/ Standard Summary	Applicable Requirements Reference	Monitoring and Record-Keeping Requirements
7.1	Visible emissions	20% opacity for no more than three minutes in any 60-minute period	IDAPA 58.01.01.625	2.9, 7.3, 7.5
7.2	PM for paint booth	Process weight	IDAPA 58.01.01.702	7.4, 7.6

- 7.1 Visible emissions from any of the small, paint shop stacks shall not exceed 20% opacity for a period or periods aggregating more than three minutes in any 60-minute period, as determined in IDAPA 58.01.01.625.

[IDAPA 58.01.01.625, 4/5/00]

- 7.2 No person shall emit to the atmosphere from any process or process equipment operating prior to October 1, 1979, PM in excess of the amount shown by the following equations, where E is the allowable emission from the entire source in pounds per hour, and PW is the process weight in pounds per hour:

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The permittee is hereby allowed to operate the equipment described herein subject to all terms and conditions of the permit.

- a. If PW is less than 17,000 lb/hr,

$$E = 0.045 (PW)^{0.60}$$

- b. If PW is equal to or greater than 17,000 lb/hr

$$E = 1.12(PW)^{0.27}$$

The above equations shall apply to the paint booth process at the small, paint shop.

[IDAPA 58.01.01.702, 4/5/00]

- 7.3 Within 60 days of issuance of this permit, the permittee shall have developed an O&M manual for the small, paint shop's air pollution control equipment according to manufacturer specifications and recommendations. The pressure drop across the paint filtration system shall be maintained within manufacturer and O&M manual specifications. The pressure drop across the air pollution control system shall be monitored and recorded daily. The O&M manual shall address the operation, maintenance, and repair of the small, paint shop's air pollution control system, and shall include, at a minimum, a general description, normal operating conditions and procedures, methods of preventing malfunctions, appropriate corrective actions to be taken, and provisions for weekly inspections. The O&M manual shall remain on site at all times and shall be made available to Department representatives upon request.

[IDAPA 58.01.01.322.01, 3/19/99]

- 7.4 The maximum amount of paints sprayed at the small, paint shop shall not exceed 6 gal/hr.

[IDAPA 58.01.01.322.01, 3/19/99]

- 7.5 The permittee shall monitor and record the following information:

- 7.5.1 The type and amount in gallons per day and gallons per year of all coatings and solvents sprayed at the small paint shop.

- 7.5.2 The pressure drop across the small, paint-booth-filter system shall be recorded daily. Pressure drop recordings are not required on days the spray-paint booth is not in operation.

[IDAPA 58.01.01.322.06, 07, 5/1/94]

- 7.6 The permittee shall monitor and record the amount of paint sprayed at the small, paint shop once per day. This information shall be recorded as gallons per day. All records of this information shall remain on site for the most recent five-year period and shall be made available to Department representatives upon request.

[IDAPA 58.01.01.322.06, 07, 5/1/94]

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The following paragraph and Table 8.1 provide a narrative description of the bead-blast enclosures regulated in this Tier I operating permit. This description is informational only.

The three bead-blasting enclosures use fine-grained, rounded glass beads, and potter quality ballotini impact beads. The enclosures consist of three units: the fabrication-shop unit, the component-shop unit, and the locomotive-shop unit. Table 8.1 lists the control devices used in controlling emissions from the three bead-blast enclosures.

Table 8.1 EMISSIONS UNITS AND EMISSIONS CONTROL DEVICES

Emissions Unit(s) or Process(es)	Emissions Control Device
Fabrication-shop unit	PM – baghouse with 98% control efficiency
Component-shop unit	PM – baghouse with 98% control efficiency
Locomotive-shop unit	PM – baghouse with 98% control efficiency

Table 8.2 provides a summary of requirements that apply generally to the fabrication-shop bead blaster. Specific permit requirements are listed below Table 8.2.

Table 8.2 APPLICABLE REQUIREMENTS SUMMARY

Permit Conditions	Parameter	Permit Limit / Standard Summary	Applicable Requirements Reference	Monitoring and Record-Keeping Requirements
8.1	PM	Process weight	IDAPA 58.01.01.701	2.12, 8.3
8.2	Visible emissions	20% opacity for no more than three minutes in any 60-minute period	IDAPA 58.01.01.625	2.9, 8.3

8.1 No person shall emit to the atmosphere from any process or process equipment commencing operation on or after October 1, 1979, PM in excess of the amount shown by the following equations, where E is the allowable emission from the entire source in pounds per hour, and PW is the process weight in pounds per hour:

a. If PW is less than 9,250 lb/hr,

$$E = 0.045 (PW)^{0.60}$$

b. If PW is equal to or greater than 9,250 lb/hr,

$$E = 1.10(PW)^{0.25}$$

The above equations shall apply to the fabrication-shop unit, component-shop unit, and the locomotive-shop unit.

[IDAPA 58.01.01.701, 4/5/00]

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The permittee is hereby allowed to operate the equipment described herein subject to all terms and conditions of the permit.

- 8.2 Visible emissions from each of the fabrication-shop unit, component-shop unit, and the locomotive-shop unit stack shall not exceed 20% opacity for a period or periods aggregating more than three minutes in any 60-minute period, as determined in IDAPA 58.01.01.625.
[IDAPA 58.01.01.625, 4/5/00]
- 8.3 Within 60 days of issuance of this permit, the permittee shall have developed an O&M manual for the three bead-blast-enclosure air pollution control systems according to manufacturer specifications and recommendations. The air pollution control equipment operating parameters shall be maintained within manufacturer and O&M manual specifications. The O&M manual shall address the operation, maintenance, and repair of the bead-blast enclosure air pollution control systems, and shall include, at a minimum, a general description, normal operating conditions and procedures, methods of preventing malfunctions, appropriate corrective actions to be taken, and provisions for weekly inspections. The O&M manual shall remain on site at all times and shall be made available to Department representatives upon request.
[IDAPA 58.01.01.322.01, 3/19/99]
- 8.4 PM₁₀ emissions from the fabrication-shop unit, component-shop units, and the locomotive-shop unit shall not exceed any of the following: 0.025 lb/hr; 0.11 T/yr each.
[IDAPA 58.01.01.322.01, 3/19/99]
- 8.5 The maximum amount of blast media for the fabrication-shop unit, component-shop unit, and the locomotive-shop unit shall not exceed 960 lb/hr each.
[IDAPA 58.01.01.322.01, 3/19/99]
- 8.6 The permittee shall monitor and record the amount of blast media throughput in pounds per day and the daily hours of hours for the fabrication-shop unit, component-shop unit, and the locomotive-shop unit.
[IDAPA 58.01.01.322.06, 07, 5/1/94]

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The permittee is hereby allowed to operate the equipment described herein subject to all terms and conditions of the permit.

9. PANEL MASTER ARC METAL CUTTER

9.1 The 640D Panel Master by CNC, Model OW-250, is located in the north bay of the fabrication shop in the central area of the MPI. It is a 250-amp plasma arc cutting unit with a Torit TD486 dust collector. The Panel Master has one stack with a flow of 6 scfm. The Panel Master was constructed in 1981.

9.2 The fume/dust collector uses a self-cleaning cycle with compressed air pulses and achieves 97% control efficiency for PM.

9.3 The PM₁₀ and NO_x emissions from the Panel Master stack shall not exceed the following:

PM₁₀ – 0.159 lb/hr; 0.198 T/yr

NO_x – 1.97 lb/hr; 2.46 T/yr

[IDAPA 58.01.01.322.01, 3/19/99]

9.4 The maximum daily hours of operation of the Panel Master cutter shall not exceed 10 hours per day. The maximum annual hours of operation of the emissions unit shall not exceed 2,500 hours per any consecutive 12-month period.

[IDAPA 58.01.01.322.01, 3/19/99]

9.5 The pressure drop across the fume/dust collector system of the Panel Master cutter shall be maintained within manufacturer specifications.

[IDAPA 58.01.01.322.01, 3/19/99]

9.6 Within 60 days of issuance of this permit, the permittee shall have developed an O&M manual in accordance with manufacturer specifications. The pressure drop across the fume/dust collector system of the Panel Master cutter shall be maintained within manufacturer and O&M manual specifications, and shall be monitored and recorded daily. The O&M manual shall address the operation, maintenance, and repair of the Panel Master cutter's air pollution control equipment and shall, at a minimum, include the following: a general description, normal operating conditions and procedures, methods of preventing malfunctions, appropriate corrective actions to be taken, and provisions for weekly inspections. The O&M manual shall be maintained on site at all times and shall be made available to Department representatives upon request.

[IDAPA 58.01.01.322.01, 3/19/99]

9.7 The permittee shall monitor and record the following information:

9.7.1 The number of hours of operation of the Panel Master cutter in hours per day and hours per any consecutive 12-month period.

9.7.2 The pressure drop across the fume/dust collector system of the Panel Master cutter shall be recorded daily. Pressure drop recordings are not required on days the Panel Master cutter is not in operation.

[IDAPA 58.01.01.322.06, 07, 555/1/94]

9.8 The permittee shall install, calibrate, maintain, and operate a pressure drop monitoring device that measures the pressure differential across the fume/dust collector system of the Panel Master cutter.

[IDAPA 58.01.01.322.06, 5/1/94]

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Permittee: MotivePower Inc.

Date Issued: December 10, 2002

Location: Boise, Idaho

Date Expires: December 10, 2005

The permittee is hereby allowed to operate the equipment described herein subject to all terms and conditions of the permit.

10. COMPRESSOR TEST STAND ENGINE, TEA, BRANIFF STREET

10.1 The compressor test stand engine will be relocated from the TEA facility to MPI Apple Street site. The compressor test stand is powered by a Perfex, Model 45E-68, diesel-fired internal horsepower, combustion engine. The diesel engine that powers the compressor test stand has a rated capacity of 130 horsepower and it consumes up to 3.0 gallons of diesel fuel per hour. It will operate less than 450 hours per month.

10.2 Emissions from the compressor test stand engine are uncontrolled.

10.3 The PM₁₀ emissions from the compressor test stand engine stack shall not exceed the following: 0.127 lb/hr; 0.56 T/y.

10.3.1 The NO_x emissions from the compressor test stand engine stack shall not exceed the following: 1.81 lb/hr; 7.9 T/yr.

10.3.2 The SO₂ emissions from the compressor test stand engine stack shall not exceed the following: 0.119 lb/hr; 0.52 T/yr.

10.3.3 The CO emissions from the compressor test stand engine stack shall not exceed the following: 0.39 lb/hr; 1.71 T/yr.

[IDAPA 58.01.01.322.01, 3/19/99]

10.4 Emissions from the compressor test stand engine stack, or any other stack, vent, or functionally equivalent opening associated with the compressor test stand engine, shall not exceed 20% opacity for a period or periods aggregating more than three minutes in any 60-minute period, as required by IDAPA 58.01.01.625. Opacity shall be determined by the procedures contained in IDAPA 58.01.01.625.

[IDAPA 58.01.01.322.01, 3/19/99]

10.5 The maximum daily throughput of the compressor test stand engine shall not exceed 72 gal/day of diesel fuel. The maximum annual throughput of the compressor test stand engine shall not exceed 26,280 gallons per any consecutive 12-month period.

[IDAPA 58.01.01.322.01, 3/19/99]

10.6 The operation of the diesel engine shall be limited to powering the compressor test stand.

[IDAPA 58.01.01.322.01, 3/19/99]

10.7 The permittee shall monitor and record the following information:

10.7.1 The throughput of the fuel supplied to the diesel engine in gallons per day and gallons per any consecutive 12-month period. The throughput for each day may be determined using monthly throughput records.

10.7.2 The fuel oil sulfur content certification provided by the supplier for each shipment.

[IDAPA 58.01.01.322.06, 07, 5/1/94]

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The following paragraph and Table 11.1 provide a narrative description of the locomotive engine test cell stand regulated in this Tier I operating permit. This description is informational only.

The locomotive engine test cell stand is located outside the east end of the TEA building. The locomotive engine is physically removed from the locomotive and mounted on a stationary engine test cell stand. The locomotive engine test cell stand is used for testing the remanufactured locomotive engines in a sound deadening room with the combustion exhaust vented through a muffler system and then to a stack. Each engine is tested for eight hours at notch 8 (highest throttle setting). One hundred seventy-five gallons of distillate fuel oil is consumed per hour at notch 8 at the locomotive engine test cell stand. There are no emissions control devices on the locomotive engine test cell stand:

Table 11.1 contains a summary of the requirements that apply generally to the locomotive engine test cell stand. Specific permit requirements are listed below Table 11.1.

Table 11.1 APPLICABLE REQUIREMENTS SUMMARY

Permit Conditions	Parameter	Permit Limit/ Standard Summary	Applicable Requirements Reference	Monitoring and Record-Keeping Requirements
11.1	Fuel sulfur content	ASTM Grade 1 - 0.3% by weight ASTM Grade 1 - 0.5% by weight	IDAPA 58.01.01.728.02	10.3
11.2	Visible emissions	20% opacity for no more than three minutes in any 60-minute period	IDAPA 58.01.01.625	10.4, 10.5, 2.9, 2.12

11.1 No person shall sell, distribute, use or make available for use, any distillate fuel oil containing more than the following percentage of sulfur:

- ASTM Grade 1 fuel oil - 0.3% by weight
- ASTM Grade 2 fuel oil - 0.5% by weight

[IDAPA 58.01.01.728.02, 5/1/94]

11.2 Visible emissions from the locomotive engine test cell stand stack shall not exceed 20% opacity for a period or periods aggregating more than three minutes in any 60-minute period, as determined in IDAPA 58.01.01.625.

[IDAPA 58.01.01.625, 4/5/00]

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The permittee is hereby allowed to operate the equipment described herein subject to all terms and conditions of the permit.

- 11.3 The permittee shall monitor and record the sulfur content of each shipment of fuel oil received by obtaining a sulfur analysis certificate from the vendor for each fuel oil shipment received. These records shall remain on site for the most recent five-year period and shall be made available to Department representatives upon request.
[IDAPA 58.01.01.322.06, 07, 5/1/94]
- 11.4 The permittee shall conduct monthly visible emissions evaluations of the locomotive engine test cell stand stack, in accordance with IDAPA 58.01.01.625, to determine compliance with Permit Condition 11.2. The visible emissions evaluation shall be performed during daylight hours under normal operating conditions. The results of each evaluation shall be maintained in records and as required in Permit Conditions 2.12.
[IDAPA 58.01.01.322.06, 07, 5/1/94]
- 11.5 Within 60 days of issuance of this permit, the permittee shall have developed an O&M manual for the locomotive engine test cell stand. The manual shall describe the procedures that will be followed to comply with the visible emissions limitations contained in IDAPA 58.01.01.625 during the start up of each locomotive engine testing in the locomotive engine test cell stand. This manual shall remain on site at all times and shall be made available to Department representatives upon request.
[IDAPA 58.01.01.322.01, 3/19/99]
- 11.6 Emissions of PM₁₀ from the engine test cell stack shall not exceed the following: 3.55 lb/hr; 2.84 T/yr.
- 11.6.1 Emissions of NO_x from the engine test cell stack shall not exceed the following: 140 lb/hr; 112 T/yr.
- 11.6.2 Emissions of SO₂ from the engine test cell stack shall not exceed the following: 9.98 lb/hr; 7.98 T/yr.
- 11.6.3 Emissions of CO from the engine test cell stack shall not exceed the following: 14.7 lb/hr; 118 T/yr.
- 11.6.4 Emissions of VOC from the engine test cell stack shall not exceed the following: 8.10 lb/hr; 6.48 T/yr.
[IDAPA 58.01.01.322.01, 3/19/99]
- 11.7 The maximum daily throughput of the locomotive engine test cell shall not exceed 1,750 gal/day of diesel fuel. The maximum annual throughput of the locomotive engine test cell shall not exceed 280,000 gallons per any consecutive 12-month period.
[IDAPA 58.01.01.322.01, 3/19/99]
- 11.8 The maximum number of locomotive engines tested shall not exceed 200 per any consecutive 12-month period.
[IDAPA 58.01.01.322.01, 3/19/99]
- 11.9 The maximum daily hours of operation of the locomotive engine test cell shall not exceed 10 hours per day.
[IDAPA 58.01.01.322.01, 3/19/99]

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The permittee is hereby allowed to operate the equipment described herein subject to all terms and conditions of the permit.

- 11.10 The permittee shall monitor and record the following information in records.
- 11.10.1 On a weekly basis, the permittee shall monitor and record the visible emissions observations and the conditions at the time of observations.
- 11.10.2 The throughput of the fuel supplied to the locomotive engine test cell in gallons per day and gallons per any consecutive 12-month period.
- 11.10.3 The number of hours of operation of the locomotive engine test cell in hours per day and hours per any consecutive 12-month period.
- 11.10.4 The number of locomotive engines produced at the engine test cell stand per month and per any consecutive 12-month period.
- 11.10.5 The fuel oil sulfur content certification provided by the supplier for each shipment.

[IDAPA 58.01.01.322.06, 07, 5/1/94]

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The following paragraph and Table 12.1 provide a narrative description of the spray-paint booth regulated in this Tier I operating permit. This description is informational only.

The spray-paint booth at the TEA is used for painting locomotive engines and trucks. The spray-paint booth has one stack with a flow rate of 23,400 scfm. The spray-paint booth was constructed in 1990.

Table 12.1 EMISSIONS UNITS AND EMISSIONS CONTROL DEVICES

Emissions Unit(s) / Process(es)	Emissions Control Device
Spray-paint booth	PM -filters with 98% control efficiency

Table 12.2 provides a summary of requirements that apply generally to the spray-paint booth. Specific permit requirements are listed below Table 12.2.

Table 12.2 APPLICABLE REQUIREMENTS SUMMARY

Permit Conditions	Parameter	Permit Limit / Standard Summary	Applicable Requirements Reference	Monitoring and Record-Keeping Requirements
12.1	Visible emissions	20% opacity for no more than three minutes in any 60-minute period.	IDAPA 58.01.01.625	11.3, 11.5, 2.9
12.2	PM	Process weight	IDAPA 58.01.01.701	11.4, 11.6

- 12.1 Visible emissions from the spray-paint-booth stack shall not exceed 20% opacity for a period or periods aggregating more than three minutes in any 60-minute period, as determined in IDAPA 58.01.01.625.

[IDAPA 58.01.01.625, 4/5/00]

- 12.2 No person shall emit to the atmosphere from any process or process equipment commencing operation on or after October 1, 1979, PM in excess of the amount shown by the following equations, where E is the allowable emission from the entire source in pounds per hour, and PW is the process weight in pounds per hour:

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The permittee is hereby allowed to operate the equipment described herein subject to all terms and conditions of the permit.

- a. If PW is less than 9,250 lb/hr,

$$E = 0.045 (PW)^{0.60}$$

- b. If PW is equal to or greater than 9,250 lb/hr,

$$E = 1.10(PW)^{0.25}$$

[IDAPA 58.01.01.701, 4/5/00]

- 12.3 Within 60 days of issuance of this permit, the permittee shall have developed an O&M manual for TEA spray-paint-booth air pollution control system according to manufacturer specifications and recommendations. The pressure drop across the air pollution control equipment shall be maintained within manufacturer and O&M manual specifications. The O&M manual shall address the operation, maintenance, and repair of the TEA spray-paint-booth air pollution control system, and shall include, at a minimum, a general description, normal operating conditions and procedures, methods of preventing malfunctions, appropriate corrective actions to be taken, and provisions for weekly inspections. The O&M manual shall remain on site at all times and shall be made available to Department representatives upon request.

[IDAPA 58.01.01.322.01, 3/19/99]

- 12.4 The maximum amount of all coatings and solvents sprayed at the spray-paint booth shall not exceed 20 gal/day and 3,000 gal/yr. Coatings and solvents shall include, but not be limited to, any enamels, lacquers, primers, clean-up solvents, and reducers.

[IDAPA 58.01.01.322.01, 3/19/99]

- 12.5 The pressure drop across each spray-paint-booth filter system shall be recorded daily.

[IDAPA 58.01.01.322.01, 3/19/99]

- 12.6 The permittee shall monitor and record the amount of paints sprayed in the TEA spray-paint booth once per day. The amount of paint used shall be recorded as gallons per day. Records of this information shall remain on site for the most recent five-year period and shall be made available to Department representatives upon request.

[IDAPA 58.01.01.322.06, 07, 5/1/94]

- 12.7 The PM₁₀ and VOC emissions from the paint-booth stack shall not exceed the following:

PM₁₀ – 0.154 lb/hr; 0.119 T/yr

VOC – 15.0 lb/hr; 7.73 T/yr

[IDAPA 58.01.01.322.01, 3/19/99]

- 12.8 The permittee shall monitor and record the following information:

- 12.8.1 The type and amount of all coatings and solvents sprayed at the spray-paint booth in gallons per day and gallons per month.

- 12.8.2 The pressure drop across spray-paint-booth filter system shall be recorded daily. Pressure drop recordings are not required on days the spray-paint booth is not in operation.

[IDAPA 58.01.01.322.06, 07, 5/1/94]

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The following paragraph and Table 13.1 provide a narrative description of the two-unit bead-blast enclosures regulated in this Tier I operating permit. This description is informational only.

The bead-blast enclosures use fine grained, rounded, glass beads – potter quality ballotini impact beads. There are two units: Cycloblast Model 4836-DC100 (Unit 1); and Pangorn-S3 (Unit 2). Unit 1 has one stack with a flow rate of 775 scfm and was constructed in 1990. Unit 2 has one stack with a flow rate of 1500 scfm and was constructed in 1996. Table 13.1 lists the control devices used in controlling emissions from the TEA bead-blast units.

Table 13.1 EMISSIONS UNITS AND EMISSIONS CONTROL DEVICES

Emissions Unit(s) or Process(es)	Emissions Control Device
Cycloblast Model 4836-DC100	PM – baghouse with 98% control efficiency
Pangorn-S3	PM – baghouse with 98% control efficiency

Table 13.2 provides a summary of requirements that apply generally to the bead-blast enclosure. Specific permit requirements are listed below Table 13.2.

Table 13.2 APPLICABLE REQUIREMENTS SUMMARY

Permit Conditions	Parameter	Permit Limit/ Standard Summary	Applicable Requirements Reference	Monitoring and Record-Keeping Requirements
13.1	Visible emissions	20% opacity for no more than three minutes in any 60-minute period.	IDAPA 58.01.01.625	2.9, 12.3
13.2	PM	Process weight	IDAPA 58.01.01.701	2.12, 12.3

- 13.1 Visible emissions from the two TEA bead-blast enclosures stacks shall not exceed 20% opacity for a period or periods aggregating more than three minutes in any 60-minute period, as determined in IDAPA 58.01.01.625.

[IDAPA 58.01.01.625, 4/5/00]

- 13.2 No person shall emit to the atmosphere from any process or process equipment commencing operation on or after October 1, 1979, PM in excess of the amount shown by the following equations, where E is the allowable emission from the entire source in pounds per hour, and PW is the process weight in pounds per hour:

- a. If PW is less than 9,250 lb/hr,

$$E = 0.045 (PW)^{0.60}$$

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- b. If PW is equal to or greater than 9,250 lb/hr,

$$E = 1.10(PW)^{0.25}$$

The above equations shall apply to the two TEA bead-blast enclosure units.

[IDAPA 58.01.01.701, 4/5/00]

- 13.3 Within 60 days of issuance of this permit, the permittee shall have developed an O&M manual for the TEA bead-blast enclosure's air pollution control systems according to manufacturer specifications and recommendations. The air pollution control equipment operating parameters shall be maintained within manufacturer and O&M manual specifications. The O&M manual shall address the operation, maintenance, and repair of the TEA bead-blast enclosure's air pollution control systems, and shall include, at a minimum, a general description, normal operating conditions and procedures, methods of preventing malfunctions, appropriate corrective actions to be taken, and provisions for weekly inspections. The O&M manual shall remain on site at all times and shall be made available to Department representatives upon request.

[IDAPA 58.01.01.322.01, 3/19/99]

- 13.4 The PM₁₀ emissions from each of the enclosure unit stacks shall not exceed the following:

PM₁₀ – 0.025 lb/hr; 0.11 T/yr

[IDAPA 58.01.01.322.01, 3/19/99]

- 13.4.1 The maximum amount of blast media throughout at each of the enclosure units shall not exceed 960 lb/hr.

[IDAPA 58.01.01.322.01, 3/19/99]

- 13.5 The permittee shall monitor and record the following information.

- 13.5.1 The amount of blast media throughput in pounds per day at each of the enclosure units.

- 13.5.2 The daily hours of operation for each enclosure.

[IDAPA 58.01.01.322.06, 07, 5/1/94]

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The following paragraph and Table 14.1 provide a narrative description of the shot-blast booth regulated in this Tier I operating permit. This description is informational only.

The shot-blast booth is a Hoffman Schmidt/Abrasive Steel Shotblaster. The shot-blast booth uses steel grit media for the blasting process. The shot-blast booth has one stack with a flow rate of 8,500 scfm. The booth was constructed in 1994. Table 14.1 lists the control devices used in controlling emissions from the TEA shot-blast booth.

Table 14.1 EMISSIONS UNITS AND EMISSIONS CONTROL DEVICES

Emissions Unit(s) or Process(es)	Emissions Control Device
Shot-blast booth	PM - baghouse, Torit, Model HDFT2-16, with 99% control efficiency

Table 14.2 provides a summary of requirements that apply generally to the shot-blast booth. Specific permit requirements are listed below Table 14.2.

Table 14.2 APPLICABLE REQUIREMENTS SUMMARY

Permit Conditions	Parameter	Permit Limit/Standard Summary	Applicable Requirements Reference	Monitoring and Record-Keeping Requirements
14.1	Visible emissions	20% opacity for no more than three minutes in any 60-minute period.	IDAPA 58.01.01.625.	2.9, 13.3, 13.4, 13.5
14.2	PM	Process weight	IDAPA 58.01.01.701	2.12, 13.3, 13.4

- 14.1 Visible emissions from the shot-blast booth stack shall not exceed 20% opacity for a period or periods aggregating more than three minutes in any 60-minute period, as determined in IDAPA 58.01.01.625.

[IDAPA 58.01.01.625, 4/5/00]

- 14.2 No person shall emit to the atmosphere from any process or process equipment commencing operation on or after October 1, 1979, PM in excess of the amount shown by the following equations, where E is the allowable emission from the entire source in pounds per hour, and PW is the process weight in pounds per hour:

- a. If PW is less than 9,250 lb/hr,

$$E = 0.045 (PW)^{0.60}$$

- b. If PW is equal to or greater than 9,250 lb/hr,

$$E = 1.10(PW)^{0.25}$$

[IDAPA 58.01.01.701, 4/5/00]

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The permittee is hereby allowed to operate the equipment described herein subject to all terms and conditions of the permit.

- 14.3 Within 60 days of issuance of this permit, the permittee shall have developed an O&M manual for the TEA shot-blast booth air pollution control system according to manufacturer specifications and recommendations. The pressure drop across the air pollution control equipment shall be maintained within manufacturer and O&M manual specifications. The O&M manual shall address the operation, maintenance, and repair of the TEA shot-blast booth air pollution control system, and shall include, at a minimum, a general description, normal operating conditions and procedures, methods of preventing malfunctions, appropriate corrective actions to be taken, and provisions for weekly inspections. The O&M manual shall remain on site at all times and shall be made available to Department representatives upon request.
[IDAPA 58.01.01.322.01, 3/19/99]
- 14.4 The pressure drop across the TEA shot-blast-booth's air pollution control system shall be monitored and recorded daily. Records of this information shall remain on site for the most recent five-year period and shall be made available to Department representatives upon request.
[IDAPA 58.01.01.322.06, 07, 5/1/94]
- 14.5 The permittee shall conduct monthly visible emissions evaluations of the shot-blast-booth stack, in accordance with the procedures contained in IDAPA 58.01.01.625, to demonstrate compliance with Permit Condition 14.1. The visible emissions evaluation shall be performed during daylight hours under normal operating conditions. The results of each evaluation shall be maintained in records and as required in Permit Condition 2.12.
[IDAPA 58.01.01.322.06, 07, 5/1/94]
- 14.6 The PM₁₀ emissions from the shot-blast-booth stack shall not exceed the following:
PM₁₀ – 0.624 lb/hr; 1.37 T/yr
[IDAPA 58.01.01.322.01, 3/19/99]
- 14.7 The maximum amount of steel-grit media throughput at the shot-blast booth shall not exceed 48,000 lb/hr.
[IDAPA 58.01.01.322.01, 3/19/99]
- 14.8 The maximum daily hours of operation of the shot-blast booth shall not exceed 12 hours per day. The maximum annual hours of operation of the emissions unit shall not exceed 4,380 hours per any consecutive 12-month period.
[IDAPA 58.01.01.322.01, 3/19/99]
- 14.9 The permittee shall monitor and record the following information in records.
- 14.9.1 The number of hours of operation of the shot-blast booth in hours per day and hours per any consecutive 12-month period.
- 14.9.2 The amount of blast media used in pounds per day at the shot-blast booth.
- 14.9.3 The pressure drop across the baghouse of the shot-blast booth shall be recorded daily. Pressure drop recordings are not required on days the shot-blast booth is not in operation.
[IDAPA 58.01.01.322.06, 07, 5/1/94]

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The permittee is hereby allowed to operate the equipment described herein subject to all terms and conditions of the permit.

15. INSIGNIFICANT ACTIVITIES

Activities and emission units identified as insignificant under IDAPA 58.01.01.317.01(b) are listed in the Tier I operating permit to qualify for a permit shield. Such activities include those listed in Table 15.1.

Table 15.1 INSIGNIFICANT ACTIVITIES

Emissions Unit(s) and Location at the Facility	Description	Insignificant Activities IDAPA Citation Section 317.01.b.i.
Alkota Boiler, Model 12000; locomotive shop at Apple Street site	Combustion source, < 5 MMBTU/hr, exclusively using natural gas, butane, propane, and/or LPG	(5)
Natural gas heaters, various locations at Apple Street site	Combustion sources, < 5 MMBTU/hr, exclusively using natural gas, butane, propane, and/or LPG	(5)
Metal welding	Welding using not more than 1 T/day of welding rod	(9)
Natural gas process and heating equipment, TEA site	Combustion sources, < 5 MMBTU/hr, exclusively using natural gas, butane, propane, and/or LPG	(5)
Compressor stand, Main complex	Combustion source, < 1 MMBTU/hr, if using kerosene, No. 1 or No. 2 fuel oil	(7)
Solvent usage, Apple Street site	Batch solvent distillation, not greater than 55 gallons batch capacity	(15)
Fuel storage tanks, two at the Apple Street site and one at the TEA site	Operation, loading and unloading of volatile organic compound storage tanks, 10,000 gallons capacity or less, with lids or other appropriate closure	(3)
Finish Building, painting operations, Apple Street site	An emission unit or activity with emissions less than or equal to 10% of the levels contained in Section 006 of the definition of significant and no more than one ton per year of any HAP	(30)
Welding, various locations	Welding of < 1 T/day of welding rod	(9)

There are no additional monitoring, recordkeeping, or reporting requirements for insignificant emissions units or activities beyond those required in the Facility-wide Permit Conditions.

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16. COMPLIANCE SCHEDULE

MotivePower Inc. is not in compliance at the time of issuance of the Tier I operating permit with the applicable PTC requirements for sources listed in Permit Condition 16.1. To bring the facility into compliance with the applicable requirements in the *Rules for the Control of Air Pollution in Idaho*, IDAPA 58.01.01, et seq., the permittee shall obtain a combined facility-wide Tier II operating permit and PTC (hereafter referred to as the facility-wide permit) and a modified Tier I operating permit. The specific elements of the compliance schedule are summarized in Table 16.1 and specified in Permit Conditions 16.2 through 16.9.

Table 16.1 COMPLIANCE SCHEDULE

Permit Conditions	Milestone	Deadline	Documentation / Reporting
16.2	Submit complete facility-wide permit application to comply with IDAPA 58.01.01.400 through 410	180 days after issuance of the Tier I operating permit	Completeness letter from the Department
16.3	Concurrently submit complete application information to address the applicable PTC requirements in IDAPA 58.01.01.200 through 223 for those sources for which the permittee was required to, but did not obtain, a PTC	180 days after issuance of the Tier I operating permit	Completeness letter from the Department
16.4	Submit supplemental application information to address the applicable PTC requirements for any additional sources identified	Within 30 days of a request in writing by the Department during processing of the facility-wide permit	Completeness letter from the Department
16.7	Submit a request to modify the Tier I operating permit	30 days after the facility-wide permit application is found complete	Completeness letter from the Department
16.8	Submit quarterly progress reports	January 1, April 1, July 1, and October 1 of each year	

- 16.1 The Department identified the following sources as sources that are not in compliance because of failure to obtain a permit to construct prior to construction or modification.

MPI, Apple Street:

- Old, Large, Paint Shop, constructed in 1988
- Fabrication-Shop Unit, constructed in 1984
- Component-Shop Unit, constructed in 1984
- Locomotive-Shop Unit, constructed in 1984

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TEA, Braniff Street:

- Engine Test Cell, constructed in 1990
- Spray-paint Booth, constructed in 1990
- Bead-Blast Enclosures, constructed in 1990
- Shot-Blast Booth, constructed June 1994

The permittee has the continuing responsibility to submit any supplementary information needed, including information for any other sources, in accordance with IDAPA 58.01.01.315.

- 16.2 MotivePower Inc., shall submit a complete permit application and all additional information requested by the Department for issuance of a facility-wide Tier II operating permit within 180 days of issuance of this Tier I operating permit. The application shall address the requirements for Tier II operating permits in accordance with IDAPA 58.01.01.400 through 410.
[IDAPA 58.01.01.322.10, 4/5/00]
- 16.3 In addition to the requirements for Tier II operating permits, the facility-wide permit application shall include all of the applicable information and address the applicable requirements for PTCs in accordance with IDAPA 58.01.01.200 through IDAPA 58.01.01.223 for the construction and/or modification of sources for which the permittee was required to, but did not obtain, a permit to construct. The Department has identified the sources listed in Permit Condition 16.1 as sources that failed to obtain a permit prior to construction or modification.
[IDAPA 58.01.01.322.10, 4/5/00]
- 16.4 If through the development of the facility-wide permit, it is determined that the facility should have obtained a PTC or a PTC modification for any other source or sources at the facility, the permittee shall submit a supplemental application that addresses the applicable requirements for PTCs within 30 days of receiving written notification from the Department.
[IDAPA 58.01.01.322.10, 4/5/00]
- 16.5 The application submittal deadlines set forth in the compliance schedule may be extended if the permittee clearly demonstrates that additional time is needed to collect new data for submittal of a complete application. Extension requests, with complete information to justify the request, must be submitted in writing to the Department no later than the midpoint of the milestone timeline. The deadlines may be extended for up to one year through written authorization from the Department.
[IDAPA 58.01.01.322.10, 4/5/00]
- 16.6 Upon receipt of a complete application, the Department will draft a single proposed facility-wide permit for the facility. The permit will contain all of the terms and conditions necessary to comply with the applicable requirements for PTCs in accordance with IDAPA 58.01.01.200 through 223 and the requirements for Tier II operating permits in accordance with IDAPA 58.01.01.400 through 410. The permit will clearly identify the origin and basis for each term and condition. The procedures for issuing a PTC under IDAPA 58.01.01.209 shall be followed concurrently with the procedures for issuing a Tier II operating permit under IDAPA 58.01.01.404.
[IDAPA 58.01.01.322.10, 4/5/00]

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- 16.7 MotivePower Inc., shall request a modification to their Tier I operating permit within 30 days after the combined facility-wide Tier II operating permit and PTC application is determined complete by the Department. The Tier I operating permit shall be modified to incorporate all applicable requirements of the facility-wide permit and shall be issued concurrently with the facility-wide permit in accordance with the procedures for issuing a Tier I permit in IDAPA 58.01.01.360 through 369.

[IDAPA 58.01.01.322.10, 4/5/00]

- 16.8 Until such time that a modified Tier I operating permit is issued pursuant to Permit Condition 16.7, MotivePower Inc. shall submit a progress report each calendar quarter to the Department stating when each of the milestones and compliance with each condition in the compliance schedule were or will be achieved, and an explanation of why any dates were not or will not be met and a detailed description of any preventative or corrective measures undertaken by the permittee.

[IDAPA 58.01.01.322.10, 4/5/00]

- 16.9 This schedule of compliance shall be supplemental to, and shall not sanction noncompliance with, the applicable requirements on which it is based.

[IDAPA 58.01.01.322.10, 4/5/00]

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17. TIER I OPERATING PERMIT GENERAL PROVISIONS

General Compliance

1. The permittee shall comply with all conditions of this permit. Any permit noncompliance constitutes a violation and is grounds for the following: enforcement action; permit termination; permit revocation and reissuance; permit revision; or denial of a permit renewal application.
[IDAPA 58.01.01.322.15.a, 5/1/94; 40 CFR 70.6(a)(6)(i)]
2. It shall not be a defense in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the terms and conditions of this permit.
[IDAPA 58.01.01.322.15.b, 5/1/94; 40 CFR 70.6(a)(6)(ii)]
3. Any permittee who fails to submit any relevant facts or who has submitted incorrect information in a permit application shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary facts or corrected information.
[IDAPA 58.01.01.315.01, 5/1/94; 40 CFR 70.5(b)]

Reopening

4. This permit may be revised, reopened, revoked and reissued, or terminated for cause. Cause for reopening exists under any of the circumstances listed in IDAPA 58.01.01.386. Proceedings to reopen and reissue a permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of the permit for which cause to reopen exists. Such reopening shall be made as expeditiously as practicable in accordance with IDAPA 58.01.01.360 through 369.
[IDAPA 58.01.01.322.15.c, 5/1/94; IDAPA 58.01.01.386, 3/19/99;
40 CFR 70.7(f)(1) and (2); 40 CFR 70.6(a)(6)(iii)]
5. The filing of a request by the permittee for a permit revision, revocation and reissuance, termination, notification of planned changes, or anticipated noncompliance does not stay any permit condition.
[IDAPA 58.01.01.322.15.d, 5/1/94; 40 CFR 70.6(a)(6)(iii)]

Property Rights

6. This permit does not convey any property rights of any sort, or any exclusive privilege.
[IDAPA 58.01.01.322.15.e, 5/1/94; 40 CFR 70.6(a)(6)(iv)]

Information Requests

7. The permittee shall furnish all information requested by the Department, within a reasonable time, that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, terminating the permit, or determining compliance with the permit.
[Idaho Code §39-108; IDAPA 58.01.01.122, 5/1/94; IDAPA 58.01.01.322.15.f, 4/5/00;
40 CFR 70.6(a)(6)(v)]

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8. Upon request, the permittee shall furnish to the Department copies of records required to be kept by this permit. For information claimed to be confidential, the permittee may furnish such records along with a claim of confidentiality in accordance with Idaho Code §9-342A and applicable implementing regulations including IDAPA 58.01.01.128.

[IDAPA 58.01.01.322.15.g, 5/1/94; IDAPA 58.01.01.128, 4/5/00; 40 CFR 70.6(a)(6)(v)]

Severability

9. The provisions of this permit are severable, and if any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances and the remainder of this permit shall not be affected thereby.

[IDAPA 58.01.01.322.15.h, 5/1/94; 40 CFR 70.6(a)(5)]

Changes Requiring Permit Revision or Notice

10. The permittee may not commence construction or modification of any stationary source, facility, major facility, or major modification without first obtaining all necessary permits to construct or an approval under IDAPA 58.01.01.213, or complying with IDAPA 58.01.01.220 through 223. The permittee shall comply with IDAPA 58.01.01.380 through 386 as applicable.

[IDAPA 58.01.01.200-223, 4/5/00; IDAPA 58.01.01.322.15.i, 380-386, 3/19/99; 40 CFR 70.4(b)(12), (14) and (15), and 70.7(d) and (e)]

11. Changes that are not addressed or prohibited by the Tier I operating permit require a Tier I operating permit revision if such changes are subject to any requirement under Title IV of the CAA, 42 U.S.C. Section 7651 through 7651c, or are modifications under Title I of the CAA, 42 USC Sections 7401 through 7515. Administrative amendments (IDAPA 58.01.01.381), minor permit modifications (IDAPA 58.01.01.383), and significant permit modifications (IDAPA 58.01.01.382) require a revision to the Tier I operating permit. Section 502(b)(10) charges are authorized in accordance with IDAPA 58.01.01.384. Off-permit changes and required notice are authorized in accordance with IDAPA 58.01.01.385.

[IDAPA 58.01.01.381-385, 3/19/99; IDAPA 58.01.01.209.05, 5/1/94; 40 CFR 70.4(b)(14) and (15)]

Federal and State Enforceability

12. Unless specifically identified as a "State-only" provision, all terms and conditions in this permit, including any terms and conditions designed to limit a source's potential to emit, are enforceable: (i) by the Department in accordance with state law; and (ii) by the United States or any other person in accordance with federal law.

[IDAPA 58.01.01.322.15.j, 5/1/94; 40 CFR 70.6(b)(1) and (2)]

13. Provisions specifically identified as a "State-only" provision are enforceable only in accordance with state law. "State-only" provisions are those that are not required under the Federal Clean Air Act or under any of its applicable requirements or those provisions adopted by the state prior to federal approval.

[Idaho Code §39-108; IDAPA 58.01.01.322.15.k, 3/23/98]

Inspection and Entry

14. Upon presentation of credentials, the permittee shall allow the Department or an authorized representative of the Department to do the following:

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- Enter upon the permittee's premises where a Tier I source is located or emissions-related activity is conducted, or where records are kept under conditions of this permit.
- Have access to and copy, at reasonable times, any records that are kept under the conditions of this permit.
- Inspect, at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.
- As authorized by the Idaho Environmental Protection and Health Act, sample or monitor, at reasonable times, substances or parameters for the purpose of determining or ensuring compliance with this permit or applicable requirements.

[Idaho Code §39-108; IDAPA 58.01.01.322.15.i, 3/19/99; 40 CFR 70.6(c)(2)]

New Requirements During Permit Term

15. The permittee shall comply with applicable requirements that become effective during the permit term on a timely basis.

[IDAPA 58.01.01.322.10, 4/5/00; IDAPA 58.01.01.314.10.a.ii, 5/1/94;
40 CFR 70.6(c)(3) citing 70.5(c)(8)]

Fees

16. The owner or operator of a Tier I source shall pay annual registration fees to the Department in accordance with IDAPA 58.01.01.525 through IDAPA 58.01.01.538.

[IDAPA 58.01.01.322.15.n, 5/1/94; 40 CFR 70.6(a)(7)]

Certification

17. All documents submitted to the Department shall be certified in accordance with IDAPA 58.01.01.123 and comply with IDAPA 58.01.01.124.

[IDAPA 58.01.01.322.15.o, 5/1/94; 40 CFR 70.6(a)(3)(iii)(A); 40 CFR 70.5(d)]

Renewal

18. a. The owner or operator of a Tier I source shall submit an application to the Department for a renewal of this permit at least six months before, but no earlier than 18 months before, the expiration date of this operating permit. To ensure that the term of the operating permit does not expire before the permit is renewed, the owner or operator is encouraged to submit a renewal application nine months prior to the date of expiration.

[IDAPA 58.01.01.313.03, 4/5/00; 40 CFR 70.5(a)(1)(iii)]

- b. If a timely and complete application for a Tier I OP renewal is submitted, but the Department fails to issue or deny the renewal permit before the end of the term of this permit, then all the terms and conditions of this permit, including any permit shield that may have been granted pursuant to IDAPA 58.01.01.325, shall remain in effect until the renewal permit has been issued or denied.

[IDAPA 58.01.01.322.15.p, 5/1/94; 40 CFR 70.7(b)]

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Permit Shield

19. Compliance with the terms and conditions of the Tier I operating permit, including those applicable to all alternative operating scenarios and trading scenarios, shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that:
- a. Such applicable requirements are included and are specifically identified in the Tier I operating permit or;
 - i. The Department has determined that other requirements specifically identified are not applicable and all of the criteria set forth in IDAPA 58.01.01.325.01(b) have been met.
 - b. The permit shield shall apply to permit revisions made in accordance with IDAPA 58.01.01.381.04 (administrative amendments incorporating the terms of a PTC), IDAPA 58.01.01.382.04 (significant modifications), and IDAPA 58.01.01.384.03 (trading under an emissions cap).
 - c. Nothing in this permit shall alter or affect the following:
 - i. Any administrative authority or judicial remedy available to prevent or terminate emergencies or imminent and substantial dangers;
 - ii. The liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance;
 - iii. The applicable requirements of the acid rain program, consistent with 42 U.S.C. Section 7651(g)(a); and
 - iv. The ability of the EPA to obtain information from a source pursuant to Section 114 of the CAA or the ability of the Department to obtain information from a source pursuant to Idaho Code §39-108 and IDAPA 58.01.01.122.
[Idaho Code §39-108 and 112; IDAPA 58.01.01.122, 4/5/00; IDAPA 58.01.01.322.15.m, 5/1/94; IDAPA 58.01.01.325, 381.04, 382.04, 383.05, 384.03, 385.03, 3/19/99; 40 CFR 70.6(f)]

Compliance Schedule and Progress Reports

20. a. For each applicable requirement for which the source is not in compliance, the permittee shall comply with the compliance schedule incorporated in this permit.
- b. For each applicable requirement that will become effective during the term of this permit and that provides a detailed compliance schedule, the permittee shall comply with such requirements in accordance with the detailed schedule.
- c. For each applicable requirement that will become effective during the term of this permit that does not contain a more detailed schedule, the permittee shall meet such requirements on a timely basis.
- d. For each applicable requirement with which the permittee is in compliance, the permittee shall continue to comply with such requirements.
[IDAPA 58.01.01.322.10, 4/5/00; IDAPA 58.01.01.314.9, 10, 5/1/94; 40 CFR 70.6(c)(3) and (4)]

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Periodic Compliance Certification

21. The permittee shall submit compliance certifications during the term of the permit for each emissions unit to the Department and the EPA as follows:

- a. Compliance certifications for all emissions units shall be submitted annually beginning 12 months from the permit issuance date, or more frequently if specified by the underlying applicable requirement or elsewhere in this permit by the Department;
- b. The compliance certification for each emissions unit shall address all of the terms and conditions contained in the Tier I operating permit that are applicable to such emissions unit including emissions limitations, standards, and work practices;
- c. The compliance certification shall be in an itemized form providing the following information (provided that the identification of applicable information may cross-reference the permit or previous reports as applicable):
 - i. The identification of each term or condition of the Tier I operating permit that is the basis of the certification;
 - ii. The identification of the method(s) or other means used by the owner or operator for determining the compliance status with each term and condition during the certification period, and whether such methods or other means provide continuous or intermittent data. Such methods and other means shall include, at a minimum, the methods and means required by this Tier I operating permit. If necessary, the owner or operator shall identify any other material information that must be included in the certification to comply with Section 113(c)(2) of the CAA, which prohibits knowingly making a false certification or omitting material information;
 - iii. The status of compliance with the terms and conditions of the permit for the period covered by the certification, based on the method or means designated in Paragraph 21.c.ii above. The certification shall identify each deviation and take it into account in the compliance certification. The certification shall also identify as possible exceptions to compliance any periods during which compliance is required and in which an excursion or exceedance, as defined under 40 CFR 64, occurred;
 - iv. Such other facts as the Department may require to determine the compliance status of the source.
- d. All original compliance certifications shall be submitted to the Department and a copy of all compliance certifications shall be submitted to the EPA.

[IDAPA 58.01.01.322.11, 5/1/94; 40 CFR 70.6(c)(5)(iii); 40 CFR 70.6(c)(5)(iv)]

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False Statements

22. No person shall knowingly make any false statement, representation, or certification in any form, notice, or report required under this permit, or any applicable rule or order in force pursuant thereto.
[IDAPA 58.01.01.125, 3/23/98]

No Tampering

23. No person shall knowingly render inaccurate any monitoring device or method required under this permit or any applicable rule or order in force pursuant thereto.
[IDAPA 58.01.01.126, 3/23/98]

Semiannual Monitoring Reports

24. In addition to all applicable reporting requirements identified in this permit, the permittee shall submit reports of any required monitoring at least every six months starting six months from the date of permit issuance. All instances of deviations from this operating permit's requirements must be clearly identified in the report. All required reports must be certified in accordance with IDAPA 58.01.01.123.
[IDAPA 58.01.01.322.15.q, 3/23/98; IDAPA 58.01.01.322.08.c, 4/5/00; 40 CFR 70.6(a)(3)(iii)]

Reporting Deviations and Excess Emissions

25. The permittee shall promptly report all deviations from permit requirements including upset conditions, their probable cause, and any corrective actions or preventive measures taken. For excess emissions, the report shall be made in accordance with IDAPA 58.01.01.130-136. For all other deviations, the report shall be made in accordance with IDAPA 58.01.01.322.08.c, unless otherwise specified in this permit.
[IDAPA 58.01.01.322.15.q, 3/23/98; IDAPA 58.01.01.135, 4/5/00; 40 CFR 70.6(a)(3)(iii)]

Permit Revision Not Required

26. No permit revision shall be required under any approved economic incentives, marketable permits, emissions trading, or other similar programs or processes for changes that are provided for in the permit.
[IDAPA 58.01.01.322.05.b, 4/5/00; 40 CFR 70.6(a)(8)]

Emergency

27. In accordance with IDAPA 58.01.01.332, an "Emergency" (as defined in IDAPA 58.01.01.008) constitutes an affirmative defense to an action brought for noncompliance with such technology-based emissions limitation if the conditions of IDAPA 58.01.01.332.02 are met.
[IDAPA 58.01.01.332.01, 3/19/99; 40 CFR 70.6(g)]